

WHAT IS CLAIMED IS

1. A high-frequency heat-sealing apparatus comprising a pair of openable-and-closable pressing members including a high-frequency heating mechanism for shaping a packing material of a laminate including a thermoplastic resin layer and a conductive material layer into a tubular shape and for heat-sealing said tubular packing material transversely together with a fluid,

wherein a ridge shaped to contain a partial curve is so formed on the action face of a high-frequency coil flush with the action face of one of the pressing members that it can press the central portion of a sealed zone having two rounded and narrowed right and left sides,

wherein a groove is so formed on the action face adjacent to the outer side on the container's interior side of a sealed zone that it can form a molten thermoplastic resin puddle, and

wherein a flash portion for a molten thermoplastic resin is formed adjacent to the outer side on the cutting side of the high-frequency coil.

2. The high-frequency heat-sealing apparatus according to claim 1, wherein the action face between the ridge and groove

is inclined so that the interval of the paired pressing members when pressed gradually broadens as it goes toward the groove.

3. The high-frequency heat-sealing apparatus according to claim 1 or 2, further comprising a band-shaped magnetic member provided adjacent to the outer side on the container's interior side of the high-frequency coil.

4. The high-frequency heat-sealing apparatus according to any of claims 1 to 3, wherein the ridge that can press the central portion of a sealed zone is one continuous linear ridge that traverses over the whole area of the longitudinal direction of a sealed zone.

5. The high-frequency heat-sealing apparatus according to any of claims 1 to 4, wherein the transverse contour of the ridge that can press the central portion of a sealed zone is arcuate.

6. The heat-sealing apparatus according to any of claims 1 to 5, wherein the cross section of the groove is arcuate, and the depth of the groove is no greater than one half of its width.